

PATENT

REMARKS

By this amendment, Applicant has addressed the objections to the drawings and Abstract as discussed on page 2 of the Official Action.

Further, it is believed that the amendments to claims 1-3 as setforth hereinabove, address the Examiner's grounds for formal objection to claims 1-3 under 35 U.S.C. §112 (2nd Paragraph) as discussed in items Nos. 7 and 8 on page 3 of the Official Action and not herein repeated.

On the merits, the Examiner has rejected claims 1-3 under 35 U.S.C. §102(b) as anticipated by U.S. Patent No. 5,970,084 (Honda) for the reasons advanced in item 10 bridging pages 3 and 4 of the Official Action, and not herein repeated. Applicant respectfully traverses all outstanding grounds for objection and/or rejection.

The Honda reference cited by the Examiner discloses a conventional mobile communication receiver for spread spectrum (SS) communication that includes a reception antenna, a high-frequency circuitry, three inverse spread modulation and data demodulation sections, which is referred to as fingers, and a synthesizer.

The present invention relates to an apparatus for calculating decision parameters with low power consumption and a

PATENT

high-speed cell search. The apparatus for calculating decision parameters controls the correlation value calculators having a larger value than a threshold value during a predetermined monitoring section to be operated in the total monitoring section.

The Honda reference is related to the finger of the receiver which executes an inverse spread modulation of reception signals, spread modulated at a transmitting side, and reproducing modulation data components.

In the present invention, the correlation circuit controllers control the correlation value calculators based on a threshold value. That is, if a correlation value of a correlation value calculator is smaller than a threshold value, the correlation value calculator doesn't calculate during a next monitoring section. Therefore, unnecessary operations and power consumption can be prevented. This ability to prevent unnecessary operations and power consumption is not disclosed in the Honda reference.

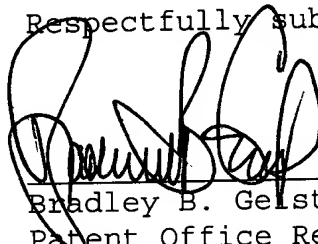
The Examiner suggests that the correlation value calculator of this invention is identical to the synchronization/hunt section in the Honda reference. However, the cited reference fails to disclose that only the correlation value calculator having a larger value than the threshold value in the monitoring section calculates the correlation value. The synchronization acquisition/hunt section executes inverse spread modulation at different timings. Accordingly, the correlation value

PATENT

calculator of this invention is entirely different from the synchronization/hunt section of the reference.

For all of the reasons, including the amendments, presented hereinabove, Applicant respectfully requests reconsideration of the pending claims and favorable action thereon.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Bradley B. Geist', is written over a horizontal line.

Bradley B. Geist
Patent Office Reg. No. 27,551

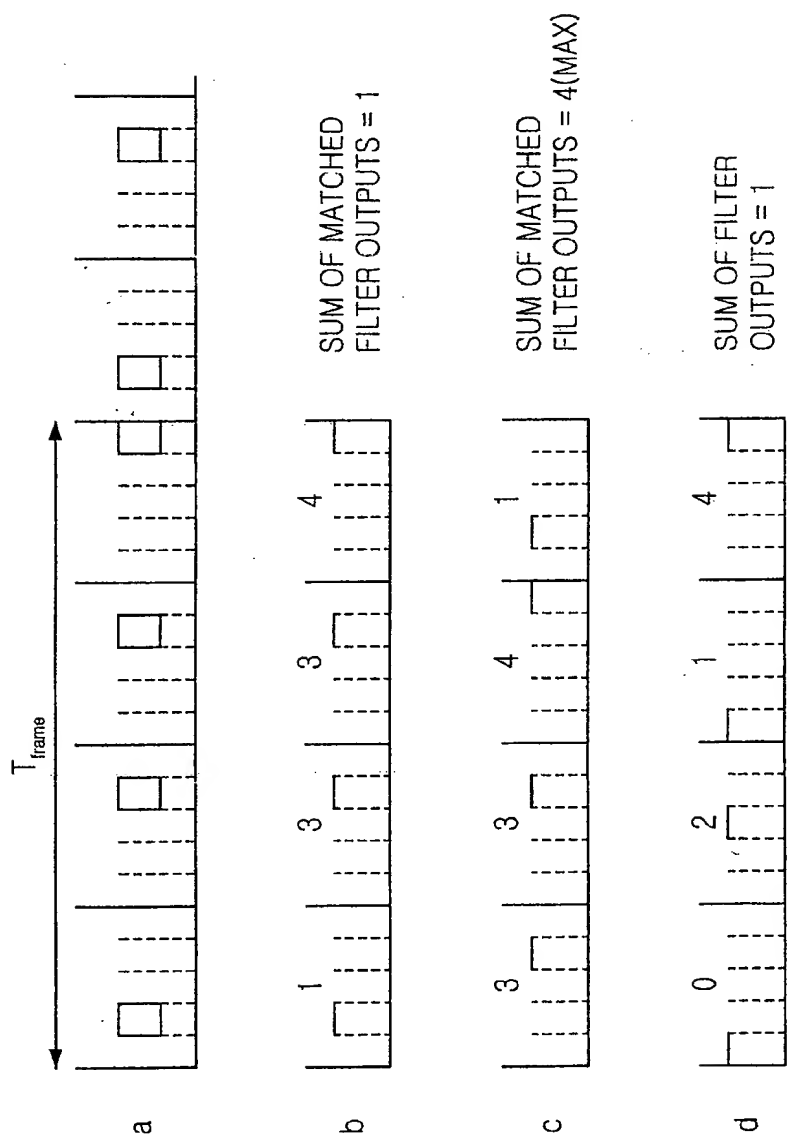
Attorney for Applicants
(212) 408-2562

Baker Botts L.L.P.
30 Rockefeller Plaza
New York NY 10112



FIG. 1
(PRIOR ART)

SYNCHRONIZATION CHANNEL CORRESPONDING TO LONG CODE GROUP 1(1 3 3 4)





MARKED UP SHEET
Title: APPARATUS FOR CALCULATING
DECISION PARAMETERS IN AN IMT-2000
SYSTEM
Inventor: Jae-Yong Lee S/N -09/748,483
Docket: A33863

FIG. 2
(PRIOR ART)

